

SOFT MOLDING COMPOUND

ABSTRACT OF THE DISCLOSURE:

[0062] A curable composition and method for producing a soft yet durable elastomeric in-the-ear product having a Shore A hardness of about 55 or less upon cure. The curable composition incorporated in a hearing aid apparatus provides a soft, flexible tip member which was mated to a rigid hearing aid shell. The tip member provides better comfort, durability and acoustic performance for a variety of ear canal shapes and movements. The curable composition which provides these properties includes a urethane acrylate oligomer and a reactive plasticizer or reactive diluent to provide a Shore hardness of about 55 or less upon cure. The curable composition may be used for other ear-worn products where these properties are desired like for ear plugs, ear phones and ear connectors.